

**WORKING MATERIAL—Does not Represent U.S. GOVERNMENT POLICY
FOR TECHNICAL REVIEW ONLY**

TABLE 3. CROSSWALK FOR REQUIRED OBSERVATIONS – HAZARDS AND DISASTERS

[illegible]

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	Wildland fire	Earthquakes	Volcanoes Volcanic ash	Landslides	Floods	Extreme weather	Tropical cyclones	Sea and Lake Ice	Coastal hazards, tsunami	Technological disasters, oil spills
Seismicity, seismic monitoring		X	X	X					X	
Strong ground shaking, ground failure, liquefaction effects		X		X					X	
Deformation monitoring, 3-D, over broad areas		X	X	X					X	
Strain and creep monitoring, specific features or structures		X	X	X						
High-resolution measurements of gravity, magnetic and electrical fields		X	X							
Physical properties of earth materials (surface and subsurface)		X	X	X					X	
Characterize regional thermal emissions, flux – all time scales	X	X	X							
Detect and characterize local thermal features at varying time scales	X		X							X
Characterize gas emissions by species and flux		X	X							X

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[illegible]

